

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. : 10/696,860  
Filed : October 30, 2003  
Applicant : Lieuwen, et al.  
Title : **Systems and Methods for Detection and Control of Blowout  
Precursors in Combustors Using Acoustical and Optical Sensing**

TC/AU : 3746  
Examiner : Freay, Charles Grant

Docket No. : 17625.0062  
Customer No. : 29052

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## RESPONSE TO OFFICE ACTION

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action mailed June 14, 2007, setting a one month response period, the Applicant submits the following remarks.

### ELECTION AND TRAVERSAL

The Examiner requires restriction to one of the following species: species 1 shown in Fig. 3, species 2 shown in Fig. 4, species 3 shown in Fig. 8, species 4 shown in Fig. 15, species 5 shown in Fig. 20, species 6 shown in Fig. 21, species 7 shown in Fig. 25, species 8 shown in Fig. 28, species 9 shown in Fig. 35, and species 10 shown in Fig. 40.

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#### Certificate of Mailing

I hereby certify that this correspondence is being electronically filed with the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 16, 2006.

/Russell A. Korn/  
Russell A. Korn - Reg. No. 54,236